Jessica Lynn Jaynes **(Updated: June 14, 2023)**

Contact Information

California State University, Fullerton
Department of Mathematics

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Academic Appointments

California State University, Fullerton, California USA **Fall 2015 - Present**
Department of Mathematics
Associate Professor of Statistics (Fall 2021 -)
Assistant Professor of Statistics (Fall 2015 - Summer 2021)

University of Nevada, Las Vegas, Nevada USA **Summer 2013 - Spring 2015**
Assistant Professor of Statistics
Department of Mathematical Sciences

Education

University of California, Los Angeles, California USA
Ph.D. in Statistics, June 2013
Co-Advisor's: Dr. Hongquan Xu (Statistics) and Dr. Weng Kee Wong (Biostatistics)

University of California, Los Angeles, California USA
Master of Science in Statistics, Spring 2010

California State University, Fullerton, California USA
BA in Mathematics with a Concentration in Probability and Statistics, Spring 2008
Magna Cum Laude

Teaching at California State University, Fullerton

Undergraduate Courses:

- MATH 120 - Elementary Statistics (Spring 2020, Spring 2021, Spring 2022)
- MATH 237 - Foundations of Data Science (Spring 2023)
- MATH 335 - Mathematical Probability (Fall 2020, Fall 2021)
- MATH 338 - Statistics Applied to Natural Sciences (Fall 2015, Spring 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Fall 2019, Fall 2020, Summer 2021)
- MATH 435 - Mathematical Statistics (Spring 2016, Spring 2017, Spring 2018, Spring 2020)
- MATH 497 - Undergraduate Research (Spring 2017, Spring 2018, Summer 2019, Fall, 2019, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Spring 2023)

Graduate Courses:

- MATH 531T - Advanced Topics in Statistics: Experimental Design (Summer 2017, Summer 2018, Summer 2020, Summer 2022)
- MATH 536 - Categorical Data Analysis (Fall 2017, Fall 2018, Fall 2019)
- MATH 539 - Statistical Consulting (Spring 2021, Spring 2022, Spring 2023)
- MATH 599 - Independent Graduate Research (Fall 2019, Spring 2020, Fall 2020, Spring 2021)

Peer-Reviewed Publications

1. Toledo, J, **Jaynes, J.**, Xu, H., Ding, X., and Wong, W. K. (2022). Orthogonal Array Composite Designs for Drug Combination Experiments with Applications for Tuberculosis. Statistics in Medicine. doi: 10.1002/sim.9423.
2. Rusmevichientong, P., Nguyen, K., Chandler, L., and **Jaynes, J.** (2022). Ranking of Snack Attributes Among Parents in a Minority Community. Nutrition Today. doi: 10.1097/NT.0000000000000552.
3. Rusmevichientong, P., Nguyen, H., Morales, C., **Jaynes, J.**, and Wood, M. M. (2022). Food Choices and Hypertension Among Rural Thais: Evidence From a Discrete Choice Experiment. International Journal of Public Health, 126.
4. Randall, L. and **Jaynes, J.**. (2022). Bongo Learning as a Video Assessment Solution for Secondary Education Credential Programs. Online Learning Journal, 26(2), 102-123.
5. Rusmevichientong, P., **Jaynes, J.**, & Chandler, L. (2021). Understanding influencing attributes of adolescent snack choices: Evidence from a discrete choice experiment. Food Quality and Preference, 92, 104171. doi:10.1016/j.foodqual.2020.104171.
6. Rusmevichientong, P., **Jaynes, J.**, & Kazemi, S. (2020). Which snack factors and nutritional ingredients influence college students' snack choices? Evidence from discrete choice experiments. Journal of American College Health, 68(2), 192-199. doi:10.1080/07448481.2018.1538149.
7. **Jaynes, J.**, Xu, H., and Wong, W.K. Minimum Aberration Designs for Discrete Choice Experiments. (2017). *Journal of Statistical Theory and Practice*. doi: 10.1080/15598608.2017.1299055.
8. **Jaynes, J.** (2016) *Book Review: Journal of the American Statistical Association* Statistical Methods in Drug Combination Studies by Zhao, W and Yang, H. doi: 10.1080/01621459.2016.1235436.
9. **Jaynes, J.**, Wong, W. K. and Xu, H. (2016). Using Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments for Health Care Studies. *Statistics in Medicine*. doi:10.1002/sim.6882.
10. **Jaynes, J.**, Zhao, Y., Xu, H, and Ho, C.M. (2015). Use of Orthogonal Array Composite Designs to Study Lipid Accumulation in a Cell-Free System. *Quality and Reliability Engineering International*. doi:10.1002/qre.1900.
11. Xu, H., **Jaynes, J.**, and Ding, X. (2014). Combining Two-Level and Three-Level Orthogonal Arrays for Factor Screening and Response Surface Exploration. *Statistica Sinica*. 24, 269-289. doi:10.5705/ss.2012.210.
12. **Jaynes, J.**, Ding, X., Xu, H., Wong, W. K., and Ho, C.M. (2013). Application of Fractional Factorial Designs to Study Drug Combinations. *Statistics in Medicine*. 32, 307–318. doi:10.1002/sim.5526.

Funding

1. California Learning Lab Grand Challenge: Building Critical Mass for Data Science. Spring 2023. Project PIPE-LINE: Programs for Institutional Pathway Engagement - acceLerating INfrastructure and Education. PI. ($1,300,000).
2. National Science Foundation. Discovery Research K-12. Fall 2022. Data science and Engineering Explorations and Pedagogy (DEEP) for Mathematical Learning. Co-PI. (Not funded: $2,800,000).
3. National Science Foundation. Harnessing the Data Revolution: Data Science Corps. Fall 2021 - Summer 2024. Data Science Training and Practices: Preparing a Diverse Workforce via Academic and Industrial Partnership. Co-PI. Funded $1,500,000. Award IIS-2123380.
4. Department of Education STEM Pathways Program: California State University, Fullerton and Los Angeles City College Undergraduate Summer Research Program at California State University, Fullerton. Summer 2021, 2020, 2019, 2018. PI. Funded $20,000 each summer.
5. California State University, Fullerton Innovation Grant. Summer 2020 - Spring 2021. Co-PI. Funded $10,000.

6. California State University, Fullerton Federal Grant Writing Mentorship Program. Spring 2020 - Fall 2020. PI. Funded $5,000.
7. California State University, Fullerton Junior/Senior Intramural Grant. Summer 2019 - Summer 2020. Co-PI. Funded $5,000.
8. California State University, Fullerton Research, Scholarship and Creative Activity Incentive Grant. Spring 2017 - Fall 2018. Co-PI. Funded $15,000.
9. California State University, Fullerton Junior/Senior Intramural Grant. Summer 2016 - Fall 2016. Co-PI. Funded $5,000.

Professional Conferences

1. **Orange County Biostatistics Symposium 2022.** Invited talk: *Undergraduate Research with Graduate Level Topics.* Fall 2022. Allergan. Irvine, CA.
2. **International Conference of the ERCIM WG on Computational and Methodological Statistics.** Invited talk: *Composite Designs for Drug Combination Experiments.* Fall 2022. Virtual.
3. **Design and Analysis of Experiments** Invited talk: *Orthogonal Array Composite Designs for Drug Combination Experiments with Applications for Tuberculosis.* October 2021. Virtual.
4. **University of California, Riverside.** Invited talk: *Design and Construction of Discrete Choice Experiments.* January 2021.
5. **Joint Statistical Meetings**. Attendance. August 2020. Virtual.
6. **Women in Mathematics in Southern California Symposium.** Invited talk: *Design and Construction of Discrete Choice Experiments using Blocked Fractional Factorial Designs.* October 2019. California State University, Channel Islands, CA.
7. **Women in Statistics and Data Science** Speed Session: *Using Design of Experiments to Determine Consumer Preference with Applications to Health Science.* October 2019.
8. **California State Polytechnic University, Pomona** Invited talk: *Using Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments.* April 2019.
9. **California State University Channel Islands** Invited talk: *Using Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments - With Applications to College Student Snack Choices.* March 2018. Graduate Colloquium Series.
10. **Joint Mathematics Meeting** Contributed talk: *Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments.* January 2018. San Diego, CA.
11. **Design and Analysis of Experiments** Invited talk: *Using Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments-With Nutrition Applications.* October 2017.
12. **Women in Mathematics in Southern California Symposium.** Contributed talk: *Using Blocked Fractional Factorial Designs to Construct Discrete Choice Experiments for Healthcare Studies.* February 2017. University of Southern California, Los Angeles, CA.
13. **Orange County Women's Health Project.** Poster presentation: *Contributions in Design of Experiments for Healthcare Studies.* October 2016. California State University, Fullerton, Fullerton, CA.
14. **Society for Advancing Chicanos/Hispanics and Native Americans in Science Conference**. Attendance. October 2016. Long Beach, CA.
15. **California State University, Fullerton Statistics Colloquium.** Invited talk: *An Application of Fractional Factorial Designs to Study Drug Combinations.* December 2015. California State University, Fullerton, Fullerton, CA.
16. **Women in Mathematics in Southern California Symposium.** Contributed talk: *Use of Orthogonal Array Composite Designs to Study Lipid Accumulation in a Cell-Free System.* November 2015. Pomona College, Claremont, CA.

17. **Design and Analysis of Experiments Conference.** Invited poster presentation: *Using Orthogonal Array Composite Designs to Optimize Lipid Accumulation for Algae Production as an Alternative to Biodiesel Fuel.* March 2015. SAS World Headquarters, Cary, NC.
18. **StatFest at University of Nevada, Reno**. Invited talk: *Grad School: What you know, don't know, and think you know but you really don't.* July 2014; November 2014. University of Nevada, Reno, NV.
19. **Joint Statistical Meetings**. Contributed talk: *Investigating Herpes Simplex Virus Type 1 and KB Oral Cancer Using Fractional Factorial Designs for Drug Combination Determination.* August 2014.
20. **ASA Joint Research Conference**. Invited poster presentation: *Combining Two-Level and Three-Level Orthogonal Arrays for Factor Screening and Response Surface Exploration.* June 2014. University of Washington, Seattle, WA.
21. **Eastern North American Region of the International Biometrics Society and the Institute of Mathematical Statistics**. Contributed talk: *Fractional Factorial Designs for Drug Combination Determination: Investigating Herpes Simplex Virus Type 1 and KB Oral Cancer.*
22. **Complex Systems, Health Disparities & Population Health: Building Bridges Conference**. Invited. February 2014. National Institutes of Health, Bethesda, MD.
23. **IMS/ASA Spring Research Conference**. Invited talk: *Application of Blocked Fractional Factorial Designs for Discrete Choice Experiments.* June 2013. University of California Los Angeles, CA.
24. **Western North American Region of the International Biometrics Society and the Institute of Mathematical Statistics**. Contributed talk: *Investigating Herpes Simplex Virus Type 1 and KB Oral Cancer using Fractional Factorial Designs.* June 2013. University of California Los Angeles, CA.
25. **Southern CA American Statistical Association Fall Kickoff**. Invited talk: *An Application of Fractional Factorial Designs to Study Drug Combinations and an Illustration of Combining Two-Level and Three-Level Orthogonal Arrays.* November 2012. University of California Los Angeles, CA.
26. **Design and Analysis of Experiments Conference**. Poster presentation: *Application of Blocked Fractional Factorial Designs for Discrete Choice Experiments.* October 2012. University of Georgia, Athens, GA.
27. **Joint Statistical Meetings**. Contributed talk: *Combining Two-Level and Three-Level Orthogonal Arrays for Factor Screening and Response Surface Exploration.* August 2012. San Diego, CA.
28. **IMS/ASA Spring Research Conference**. Contributed talk: *An Application of Fractional Factorial Designs to Study Drug Combinations.* June 2012. Harvard University, Cambridge, MA.
29. **Quality and Productivity Research Conference**. Contributed talk: *An Application of Fractional Factorial Designs to Study Drug Combinations.* June 2012. Long Beach, CA.

STUDENT RESEARCH

Graduate Students

1. Weihua Wu (Master of Science in Statistics Students; CSUF)
   - CSUF Mathematics Summer Research. (Summer 2021)
   - Application of Adaptive Lasso for Analyzing Non-regular Two-level Designs
   - Poster Presentation: CSUF Summer Research Symposium

2. Jose Toledo (Master of Science in Statistics Students; CSUF)
   - Graduate Researcher: Orthogonal Array Composite Designs for Tuberculosis Drug Treatment Regimens. (Fall 2019 - Spring 2021)
   - Paper published in peer-reviewed journal: Statistics in Medicine.

3. Dinh Bui and Bryan Ho (Master of Science in Statistics Students; CSUF)
   - Graduate Researcher: A Bayesian Approach to an Analysis of Discrete Choice Experiments (Fall 2020)

4. Chris Bradbury and Wei Zhang (Master of Science in Statistics Students; CSUF)
   - Graduate Researchers under the CSUF Research, Scholarship and Creative Activity Incentive Grant. (Fall 2018 - Winter 2019)

5. Randall Moya (Master of Science in Statistics Students; CSUF)
   - Graduate Researcher: Drug combinations and Kriging. (Fall 2017 - Summer 2018)

Undergraduate Students

1. The SoCal Data Science Program Summer Research (Summer 2022)
   Co-supervised six undergraduate research projects in collaboration with faculty from UCI and Cypress College.
   - Alfonso Vieyra, Alison Cher, Brittnie Vliiasenor, Ernesto Collazo Rivera, Brandon Huett. Measuring COVID-19 Severity in Children with and without Cystic Fibrosis.
   - Emi Cervantes, Monte Davityan, Ayah Halabi, Julie Troung, Molly Wu. Impact of Mediterranean and DASH Diets on MPN Symptoms.
   - Deborah Franza, Aubree Krager, Chandra Lindy, Duc Hoc Nguyen, Nicholas Noel. How Smartphones Negatively Affect Infant Language Development.
   - Victoria Mendoza, Emily Murphy, Mehrdokht Noranian, Alejandro Reyes, Sasha Tafolla. Environmental Studies: A Analysis of Rainfall Over Time.
   - Giles Carlos, Yi Ling Chiu, Alyssandrei Parinas, Cadence Pinkerton, James Owens. Modeling Nonspatial Sequence Memory Task Using Neural Decoding.
   - Neo Raquinio, Liz Villa, Hester Nguyen, Rasul Ibragimov, Terrell Lemons, Katie Saldivar. Modeling COVID-19 Severity in Pediatric Cystic Fibrosis.

2. CSUF Mathematics Independent Research (Fall 2021)
   Supervised three undergraduate students.
   - Nicholas De Santos, Breanna De Vera, Kinnari Parikh
   - Metal Density: Factorial Design Research Project

3. Casey Truong, Mathematics Major at Orange Coast College. (Summer 2021)
   - CSUF Project RAISE
   - Applying a Newly Developed Experimental Design R Package (ggDoE) to Study a Combination of Five Prostate Cancer Drugs.
   - Poster Presentation: CSUF Summer Research Symposium

4. Los Angeles City College and CSUF Undergraduate Research Program. (Summer 2021)
   Supervised three undergraduate students.
   - Mohammed Majrashi, Estefany Ocegueda, Tanis Sarbatananda. Considering Type II Error in a Two-Level Factorial Design.

5. Los Angeles City College and CSUF Undergraduate Research Program. (Summer 2020) Supervised four undergraduate students.)
    - Karl Medel, Elaine Jones, and Jessirae Buffiord. A Summary of "SIMR: An R Package for Power Analysis of Generalized Linear Mixed Models by Simulation."

6. Rita Pintor and Michael Strand: Independent Research. (Spring 2020 - Spring 2021)
    - Tailoring Multicomponent Experiments with Fractional Factorial Designs and Randomized Controlled Trials.
    - Presentation at the National Conference for Undergraduate Research.

7. Michael Strand: Mathematics Major; Golden West Community College.
    - Fractional Factorial Designs for Health Behavior Intervention Studies. (Fall 2019 - Spring 2021)
    - CSUF Project RAISE. Accounting for Type II Error in the Judgement of Significance of Effect in a Two-Level Factorial Design. (Summer 2019)
    - Poster Presentation: CSUF Summer Research Symposium

8. Valarie Ho: Mathematics Major; California State University, Fullerton. (Summer 2019)
    - CSUF Math Summer Research Program. Discrete Choice Experiments: Parental Nutritional Knowledge and Ingredient Preferences.
    - Poster Presentation: CSUF Summer Research Symposium

9. Los Angeles City College and CSUF Undergraduate Research Program. (Summer 2019) Supervised four undergraduate students.
    - Stephanie Jimenez and Kent Bourgoing. LASSO Analysis on the Removal of Remazol Yellow Dye.
    - Jayoung Kim and Christopher Morales. Logistic Regression Analysis of Onset Puberty Growth Spurt Data.
    - Poster Presentations: CSUF Summer Research Symposium

10. Ricardo Palafox: Mathematics Major; California State University, Fullerton.
    - CSUF Undergraduate McNair Scholar. Discrete choice experiments - construction, analysis, and applications. (Fall 2016 - Spring 2019)
    - CSUF Undergraduate Graduate Readiness and Access in Mathematics. Optimal Drug Combinations to Treat KB Cancer. (Fall 2017 - Spring 2019)
    - Conference Presentations and attendance: Society for Advancing Chicanos/Hispanics and Native Americans in Science Conference, Design and Analysis of Experiments Conference, CSUF Student Research Competition, CSUF Student Creative Activities and Research Day, Spring Meeting of The Southern California-Nevada Section of The Mathematical Association of America, Joint Statistical Meetings.

11. CSUF Undergraduate Graduate Readiness and Access in Mathematics. (Fall 2017 - Spring 2019)
    - Jose Toledo: Mathematics Major; California State University, Fullerton
    - Optimal Drug Combinations to Treat KB Cancer.
    - Conference Presentations and attendance: Society for Advancing Chicanos/Hispanics and Native Americans in Science Conference, Design and Analysis of Experiments Conference, CSUF Student Research Competition, CSUF Student Creative Activities and Research Day, Spring Meeting of The Southern California-Nevada Section of The Mathematical Association of America.

12. Sasirat Ong: Mathematics Major; California State University, Fullerton; Rebecca Clark: Chemistry and Biology Major; California State University, Fullerton; and Sharon Chang: Biology and Anthropology Major; California State University, Fullerton. (Fall 2017 - Spring 2019)
    - Interdisciplinary with Dr. Merri Lynn Casem from the Department of Biology on Latrodectus geometricus and Egg Cases.

13. Los Angeles City College and CSUF Undergraduate Research Program:
    Supervised two undergraduate students. (Summer 2018)
    - Jian Nunez-Lopez and Ngozi Nwoko. Using Multinomial Logistic Regression to Analyze Gene Expression Data for Five Tumor Types.
    - Poster Presentations: CSUF Summer Research Symposium

Professional, University, and Community Service

Professional Memberships

- Member of the American Statistical Association (Fall 2008 - Present)
- Member of the American Mathematical Society (Fall 2017 - Present)

Professional Referee

- National Science Foundation Panel Reviewer (Fall 2022).
- Journal of Agricultural, Biological, and Environmental Statistics (Spring 2021).
- Journal of Statistics Education (Fall 2020).
- TEST: An Official Journal of the Spanish Society of Statistics and Operations Research (Summer 2020).
- National Science Foundation: Methodology, Measurement, and Statistics Programs Proposal Review (Spring 2020).
- Science of the Total Environment (Winter 2020).
- Statistica Sinica (Spring 2018).
- Statistics in Medicine (Fall 2015, Spring 2018).
- Journal of Computational Biology and Chemistry (October 2016).
- Journal of Statistical Planning and Inference (Fall 2014, Spring 2015, Spring 2016, Spring 2017, Summer 2019).
- Journal of American Statistical Association Book Review (Spring 2016).
- Journal of Applied Stochastic Models in Business and Industry (Fall 2015).
- Journal of Statistics Education (Summer 2015).
- International Conference on Swarm Intelligence (Fall 2014).

California State University, Fullerton Committee Work

College Centers

- Co-Director for Statistical Consulting at the Center for Computational and Applied Mathematics (Spring 2018 - present).
- Faculty Fellow for the Center for Computational and Applied Mathematics (Spring 2017 - present).

Course Committees

- Statistics Graduate Committee (Fall 2015 - Present).
- Math 120: Introduction to Probability and Statistics Redesign Committee (Summer 2018 - present).
- Math 338: Statistical for Natural Sciences and Mathematics Redesign Committee (Summer 2018 - present).
- Co-Coordinator for Math 120: Introduction to Probability and Statistics (Fall 2017 - present).

Department Search Committees

- Chair - Statistics Tenure Track Search Committee (Fall 2021 - Spring 2022).
- Pure Mathematics Tenure Track Search Committee (Fall 2019 - Spring 2020).
- Statistics Tenure Track Search Committee (Fall 2017 - Spring 2018).
- Statistics Full Time Lecturer Search Committee (Spring 2017).

Department Committees

- CSUF Mathematics Alumni Committee (Fall 2020 - Spring 2021).
- Curriculum Committee (Fall 2019 - present).
- Assessment Committee(Fall 2016 - Spring 2017; Fall 2017 - Spring 2018).
- Advising Committee (Fall 2015 - Spring 2016).

Professional Activities

- Research for Undergraduates Summer Institute of Statistics (RUSIS@OSU) Advisory Committee. Oregon State University (Fall 2015 - present).
- UCI DATA – Data Analytics: Theory and Applications Instructor (Summer 2022).
- UCLA Department of Statistics Commencement Speaker (Spring 2020).
- CSUF Educational Partnerships Kids to College STEAM Speaker (March 2018).
- DataFest VIP Faculty Member (April 2017).
- Design and Analysis of Experiments Conference Session Chair (October 2017).
- 2017 Intel ISEF Science Fair Special Award Organization Judge (May 2017).
- American Statistical Association DataFest Visiting Consultant (April 2017).
- CSUF Student Research Competition Judge (February 2016, February 2017).
- Poster session chair at Conference on Statistical Practice (February 2016).
- Nevada Chapter of the American Statistical Association Secretary (Fall 2014 - Fall 2015).
- Research for Undergraduates Summer Institute of Statistics (RUSIS@UNR) Advisory Committee. University of Nevada, Reno (Summer 2014).
- Nevada Institute of Personalized Medicine, University of Nevada, Las Vegas (December 2014 - July 2015).

Teaching at University of Nevada, Las Vegas

Undergraduate Courses:

- STAT 152 - Introduction to Statistics (Fall 2013, Fall 2014)
- STAT 463 - Applied Statistics for Engineers (Fall 2014)

Graduate Courses:

- STA 663 - Applied Statistics for Engineers (Fall 2014)
- STA 762 - Regression Analysis II (Spring 2014, Spring 2015)

Student Reviews

"Dr. Jessica Jaynes, undoubtfully altered my personal, academic and career pathways in an immensely positive way. From countless hours of office hour discussions discussing the graduate school journey and navigating the complex process of pursuing a double major, to recommendations and support into an internship (SoCal Data Science program) and job opportunities (SCCWRP), that exposed me to various aspects of data science applied in the real-world setting, connected me with mentors and peers who share my passion, and strengthened my desire to go to graduate school. I will always be appreciative and grateful for Professor Jaynes passion, openness and engagement in supporting my personal, academic and career goals." - Monte Davityan (Undergraduate in Mathematics and Computer Science at CSUF; PhD Student in the Department of Statistics at University of California Santa Barbara starting Fall 2023)

"I greatly appreciate all the support, effort, and help from Dr. Jessica Jaynes in helping to shape the person I am today. From working on projects with her to taking her undergraduate and graduate level courses, she has been putting in lots of time and hard work to not only strengthen my statistical theory and skills but also to be successful in the master's program. In addition, Dr. Jessica Jaynes is a knowledgeable mentor who gives great suggestions on career preparation. It is my honor to have such awesome professors." - Wei Wu (Master in Statistics Student graduating Spring 2023)

"Prior to meeting Dr. Jaynes in the Data Science Internship at CSUF I believed that in order to succeed as a first-generation college student and woman in STEM I needed to give up any other aspirations I had outside of college and my future career. Over the course of the internship I saw women who not only performed at the top of their fields, but also were complete human beings. When I met Dr. Jaynes at CSU Fullerton in the summer of 2018 I was an undergraduate at LACC, she was an exceptional instructor who was intelligent, kind, and very pregnant. I saw for the first time a woman who seemed to happily balance her career with her personal life. In short, I was in awe. A few summer physics research experiences later, it dawned on me that my favorite research was still the time I spent with Dr. Jaynes that summer so I decided to pivot into data science for the remainder of my undergraduate degree." - Deborah Franza (Undergraduate Student in Mathematics at UCI)